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**U.S. National Phase of PCT/NL2004/000254**

**AMENDMENTS TO THE ABSTRACT**

Please insert the Abstract of the Disclosure which is on the attached sheet.

## ABSTRACT OF THE DISCLOSURE

The present invention relates to a method for the production of an isotropic polymeric network comprising multifunctional molecules with a functionality of at least 5 by reacting in a solvent the multifunctional molecules with a coupling agent, wherein the coupling agent is present in an amount which is sufficient to couple the multifunctional molecules to at least 5 other multifunctional molecules and wherein the sum,  $\rho$ , of the amounts of the multifunctional molecules and coupling agent per unit of volume, in  $\text{kg/m}^3$ , is at least equal to the value as given by expression (I) in which  $a=0.2$   $d$  = the diameter of the multifunctional molecule, including the length of the bonds to the middle of atoms of the coupling agent to which it is attached.  $L$  = the length of the coupling agent, measured between the middle of the atoms that are connected to the multifunctional molecule.  $m_1$  = the molecular mass of the multifunctional molecule as present in the isotropic 20 polymeric network  $m_2$  = the molecular mass of the coupling agent as present in the isotropic polymeric network  $n$  = the functionality of the multifunctional molecule ( $n \geq 5$ ). The invention furthermore relates to an isotropic polymeric network with a density lower than  $1000 \text{ kg/m}^3$  and a specific Young's modulus of at least  $0.01 \text{ GPa.m}^3/\text{kg}$ , shaped articles hereof and the use of the isotropic polymeric network as construction material.